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1   On the power of Alexander templates

H. Seki
March 1989   PODS '89: Proceedings of the eighth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems
Publisher: ACM

Full text available: Pdf (1.02 MB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 7,   Citation Count: 10

2 Breakdown probabilities of recursive soft morphological filters

Pertti Koivisto, Antti Niemistö
January   WISICT '04: Proceedings of the winter international synposium on
2004   Information and communication technologies
Publisher: Trinity College Dublin

Full text available: Pdf (114.11 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 6,   Citation Count: 0

A method for the calculation of the breakdown probabilities of recursive soft morphological filters is given, and the impulse removal capabilities of recursive and nonrecursive soft morphological filters are compared by utilizing the breakdown probabilities ...

3 Template meta-programming for Haskell

Tim Sheard, Simon Peyton Jones
October   Haskell '02: Proceedings of the 2002 ACM SIGPLAN workshop on Haskell
2002
Publisher: ACM

Full text available: Pdf (169.20 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 37,   Citation Count: 37

We propose a new extension to the purely functional programming language Haskell that supports *compile-time meta-programming.* The purpose of the system is to support the *algorithmic* construction of programs at compile-time.The ability to ...

Keywords: meta programming, templates

4 Recursive simulation to aid models of decision making

John B. Gilmer, Jr., Frederick J. Sullivan
December 2000 WSC '00: Proceedings of the 32nd conference on Winter simulation
Publisher: Society for Computer Simulation International

Full text available: Pdf (243.40 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 22,   Citation Count: 5

Recursive simulation involves a simulation, or an entity in the simulation, creating another instance of the same simulation, running it and using its results. This is particularly applicable to decisionmaking in a military simulation. Simulation can ...

5 Robust sketched symbol fragmentation using templates

Heloise Hse, Michael Shilman, A. Richard Newton
January 2004   IUI '04: Proceedings of the 9th international conference on Intelligent user interfaces
Publisher: ACM

Full text available: Pdf (221.38 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 35,   Citation Count: 2

Analysis of sketched digital ink is often aided by the division of stroke points into perceptually-salient fragments based on geometric features. Fragmentation has many applications in intelligent interfaces for digital ink capture and manipulation, ...

Keywords: HCI, curve segmentation, fitting, perceptual grouping, shape templates, sketch-based user interface

6 Study of practical effectiveness for machine translation using recursive chain-link-type learning

Hiroshi Echizen-ya, Yoshio Momouchi, Kenji Araki, Koji Tochinai
August 2002   Proceedings of the 19th international conference on Computational linguistics - Volume 1,   Volume 1
Publisher: Association for Computational Linguistics

Full text available: Pdf (176.84 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 13,   Citation Count: 1

A number of machine translation systems based on the learning algorithms are presented. These methods acquire translation rules from pairs of similar sentences in a bilingual text corpora. This means that it is difficult for the systems to acquire the ...

7 Enforcing strict model-view separation in template engines

Terence John Parr
May 2004   WWW '04: Proceedings of the 13th international conference on World Wide Web
Publisher: ACM

Full text available: Pdf (118.03 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 97,   Citation Count: 4

The mantra of every experienced web application developer is the same: *thou shalt separate business logic from display.* Ironically, almost all template engines allow violation of this separation principle, which is the very impetus for HTML template ...

Keywords: model-view-controller, template engine, web application

8 XML templates and caching in WASH

Peter Thiemann
August 2003   Haskell '03: Proceedings of the 2003 ACM SIGPLAN workshop on Haskell
Publisher: ACM

Full text available: Pdf (129.06 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 15,   Citation Count: 1

Caching of documents is an important concern on the Web. It is a major win in all situations where bandwidth is limited. Unfortunately, the increasing spread of dynamically generated documents seriously hampers traditional caching techniques in browsers ...

Keywords: annotated languages, caching, web programming

9 Type-Safe linking with recursive DLLs and shared libraries

Dominic Duggan
November 2002   ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 24 Issue 6
Publisher: ACM

Full text available: Pdf (658.62 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 53,   Citation Count: 6

Component-based programming is an increasingly prevalent theme in software development, motivating the need for expressive and safe module interconnection languages. Dynamic linking is an important requirement for module interconnection languages, as ...

Keywords: Dynamic Linking, Module Interconnection Languages, Recursive Modules, Shared Libraries

10 A methodology for testing spreadsheets

Gregg Rothermel, Margaret Burnett, Lixin Li, Christopher Dupuis, Andrei Sheretov
January 2001   ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 10 Issue 1
Publisher: ACM

Full text available: Pdf (353.65 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 18,   Downloads (12 Months): 114,   Citation Count: 22

Spreadsheet languages, which include commercial spreadsheets and various research systems, have had a substantial impact on end-user computing. Research shows, however, that spreadsheets often contain faults; thus, we would like to provide at least some ...

Keywords: software testing, spreadsheets

11 Template meta-programming for Haskell

Tim Sheard, Simon Peyton Jones
December 2002 ACM SIGPLAN Notices, Volume 37 Issue 12
Publisher: ACM

Full text available: Pdf (244.61 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 37, Citation Count: 4

We propose a new extension to the purely functional programming language Haskell that supports *compile-time meta-programming*. The purpose of the system is to support the *algorithmic* construction of programs at compile-time.The ability to ...

Keywords: Meta programming, templates

12 Creating structured PDF files using XML templates

Matthew R. B. Hardy, David F. Brailsford, Peter L. Thomas
October 2004   DocEng '04: Proceedings of the 2004 ACM symposium on Document engineering
Publisher: ACM

Full text available: Pdf (166.87 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 117, Citation Count: 1

This paper describes a tool for recombining the logical structure from an XML document with the typeset appearance of the corresponding PDF document. The tool uses the XML representation as a template for the insertion of the logical structure into the ...

Keywords: PDF, XML, logical structure insertion

13 Recursive blocked algorithms for solving triangular systems—Part II: two-sided and generalized Sylvester and Lyapunov matrix equations

Isak Jonsson, Bo Kågström
December   ACM Transactions on Mathematical Software (TOMS),   Volume 28
2002   Issue 4
Publisher: ACM

Full text available: Pdf (203.14 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 56,   Citation Count: 2

We continue our study of high-performance algorithms for solving triangular matrix equations. They appear naturally in different condition estimation problems for matrix equations and various eigenspace computations, and as reduced systems in standard ...

Keywords: GEMM-based, LAPACK, Matrix equations, SLICOT, SMP parallelization, automatic blocking, generalized Sylvester and Lyapunov, level-3 BLAS, recursion, standard discrete-time Sylvester and Lyapunov, superscalar

14 Cache tables: paving the way for an adaptive database cache

Mehmet Altinel, Christof Bornhövd, Sailesh Krishnamurthy, C. Mohan, Hamid Pirahesh, Berthold Reinwald
September   VLDB '2003: Proceedings of the 29th international conference on
2003   Very large data bases - Volume 29,   Volume 29
Publisher: VLDB Endowment

Full text available: Pdf (193.63 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 31,   Citation Count: 1

We introduce a new database object called Cache Table that enables persistent caching of the full or partial content of a remote database table. The content of a cache table is either defined declaratively and populated in advance at setup time, or determined ...

15 A codesign back-end approach for embedded system design

G. Gogniat, M. Auguin, L. Bianco, A. Pegatoquet
July   ACM Transactions on Design Automation of Electronic Systems
2000   (TODAES), Volume 5 Issue 3
Publisher: ACM

Full text available: Pdf (148.70 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation Count: 2

Continuous advances in processor and ASIC technologies enable the integration of more and more complex embedded systems. Since their implementations generally require the use of heterogeneous resources (e.g., processor cores, ASICs) in one system with ...

Keywords: HW/SW integration, codesign, communications synthesis, template architecture

16 Instruction generation and regularity extraction for reconfigurable processors

Philip Brisk, Adam Kaplan, Ryan Kastner, Majid Sarrafzadeh
October   CASES '02: Proceedings of the 2002 international conference on Compilers,
2002   architecture, and synthesis for embedded systems
Publisher: ACM

Full text available: Pdf (203.26 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 46, Citation Count: 27

The increasing demand for complex and specialized embedded hardware must be met by processors which are optimized for performance, yet are also extremely flexible. In our work, we explore the tradeoff between flexibility and performance in the domain ...

Keywords: control data-flow graph, hardware compiler, slack, template

17 A survey of image registration techniques

Lisa Gottesfeld Brown
December   ACM Computing Surveys (CSUR), Volume 24 Issue 4
1992
Publisher: ACM

Full text available: Pdf (5.20 MB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 190, Downloads (12 Months): 2417, Citation Count: 100

Registration is a fundamental task in image processing used to match two or more pictures taken, for example, at different times, from different sensors, or from different viewpoints. Virtually all large systems which evaluate images require the registration ...

Keywords: image registration, image warping, rectification, template matching

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18 Compatible Triangulations of Spatial Decompositions

William J. Schroeder, Berk Geveci, Mathieu Malaterre
October 2004 VIS '04: Proceedings of the conference on Visualization '04
Publisher: IEEE Computer Society
Full text available: Pdf (268.01 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 44,   Citation Count: 0

We describe a general algorithm to produce compatible 3D triangulations from spatial decompositions. Such triangulations match edges and faces across spatial cell boundaries, solving several problems in graphics and visualization including the crack ...

Keywords: triangulation, tetrahedrization, adaptive grid, clipping, contouring, template, Delaunay, parallel

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19 Implementing signatures for C++

Gerald Baumgartner, Vincent F. Russo
January   ACM Transactions on Programming Languages and Systems
1997   (TOPLAS),   Volume 19 Issue 1
Publisher: ACM
Full text available: Pdf (305.82 KB)   Additional Information: full citation, abstract, references, index terms,
                                                          review

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 38,   Citation Count: 0

We outline the design and detail the implementation of a language extension for abstracting types and for decoupling subtyping and inheritance in C++. This extension gives the user more of the flexibility of dynamic typing while retaining the efficiency ...

Keywords: C++, dispatch tables, inheritance, opject interfaces, polymorphism, subtyping

20 JIAD: a tool to infer design patterns in refactoring

J. Rajesh, D. Janakiram
August   PPDP '04: Proceedings of the 6th ACM SIGPLAN international conference on
2004   Principles and practice of declarative programming
Publisher: ACM

Full text available: Pdf (181.50   Additional Information: full citation, abstract, references, cited by,
KB)   index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 65,   Citation Count: 2

Refactoring in object-orientation has gained increased attention due to its ability to improve design quality. Refactoring using design patterns (DPs) leads to production of high quality software systems. Although numerous tools related to refactoring ...

Keywords: declarative programming, design pattern (DP), facts-base, intent-aspects (IAs), object-oriented systems, predicate-templates, prolog, refactoring, rule-base

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